

REMARKS

Claims 1-4, 6-10, 12-16 and 18 are pending. Claims 1-4, 6-10, 16 and 18 have been allowed. By this response claim 12 is amended. Reconsideration and allowance based on the above amendments and following remarks are respectfully requested.

Allowable claims

Applicants appreciate the allowance of claims 1-4, 6-10, 16 and 18.

Prior Art Rejection

Claims 12-15 stand rejected under 35 U.S.C. § 102 (a) as being anticipated by Nishino Kenji (JP Patent No. 06-12195). This rejection is respectfully traversed.

Claim 12 recites, *inter alia*, passing said image signal through a primary winding, varying a frequency characteristic of the image signal by controlling current passing through a secondary winding to vary an inductance value of said primary winding in said periodic manner, and inputting the image signal with said frequency characteristic having been varied to a cathode-ray tube. Applicants respectfully submit that Nishino Kenji fails to teach this feature of Applicant's claim 12.

In the embodiment of the present invention as defined by claim 12, the frequency characteristic of an image signal is varied using the secondary winding prior to inputting the signal to the cathode-ray tube. Thus, at the input to the cathode-ray tube the frequency characteristic of the image signal has already been varied.

In contrast, Nishino Kenji teaches the use of secondary coils L1 and L2 to which alternating current passes to act on direct current provided to a cathode-ray tube. The coils L1 and L2 are attached to the collar neck of a cathode-ray tube section [see Paragraph 0022]. Coils L1 and L2 oscillate the electron beam emitted from the electron gun of the cathode-ray tube. In other words, Nishino Kenji aims to vary the feature of a signal after the input thereof to the cathode-ray tube (namely the electron beam) and thereby improve the image quality. Thus,

Nishino Kenji fails to teach inputting in to the cathode-ray tube an image signal in which the frequency characteristic has already been varied.

Further, Nishino Kenji, however, fails to teach the use of a primary and secondary winding from a coil and a control circuit as claimed. In embodiments of the present invention, the control circuit includes a coil which has both a primary and secondary winding. Nishino Kenji fails to teach this feature. The Examiner relies upon the generating circuit 10 as providing the secondary winding strip, while the windings L1 and L2 correspond to the primary winding. The voltage generating circuit 10 however, does not include a primary winding and in fact appears to not even include a winding at all. The generating circuit as discussed at Paragraph 0028 uses a series of potentiometers (resistors) and capacitors to create a certain voltage from a signal. A coil winding does not appear to be used at all. Thus, the generating circuit 10 cannot teach Applicants claimed secondary winding.

Further, the language of claims 12 requires a secondary and primary winding to act on the image signal prior to inputting of the image signal to a cathode-ray tube. The windings L1, L2 and even L3 and L4 are part of the cathode-ray tube section, while the circuit 10 is separate from the cathode-ray section. Applicants respectfully submit that together the windings L1, L2 and circuit 10 cannot be considered to be Applicant's claimed primary and secondary winding with the current being controlled to the secondary winding.

Thus, Nishino Kenji fails to teach each and every feature of Applicants claims 12 as required. Further, dependent claims 13-15 are likewise distinguishable for the reasons above as well for the additional features they recite. Accordingly, reconsideration and withdrawal of the rejections are respectfully requested.

CONCLUSION

For at least the above reasons, it is respectfully submitted that claims 1-4, 6-10, 12-16 and 18 are distinguishable over the cited art. Favorable consideration and prompt allowance are earnestly solicited.

Application No. 09/499,369
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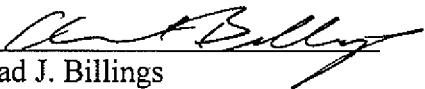
Docket No.: 2257-0207P

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Chad J. Billings Reg. No. 48,917 at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37.C.F.R. §§1.16 or 1.14; particularly, extension of time fees.

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Respectfully submitted,

By 
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